

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	(US-20080044127-\$ or US-20080032109-\$ or US-20070111351-\$ or US-20070111344-\$).did. or (US-6117529-\$ or US-5949188-\$ or US-5856434-\$).did. or (WO-9914255-\$).did.	US_PGPUB; USPAT; EPO	OR	OFF	2011/11/07 10:46
L2	1	((GUNTHER) near2 (LE SING)).INV. not L1	US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:46
L3	3	(US-20080044127-\$).did. or (WO-2006091990-\$ or WO-2005064381-\$).did.	US_PGPUB; EPO	OR	OFF	2011/11/07 10:46
L4	1	((ARNO) near2 (KLAMMINGER)).INV. not L3	US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:46
L5	4	(US-20080044127-\$).did. or (WO-2007128022-\$ or WO-2007128021-\$ or WO-2005064381-\$).did.	US_PGPUB; EPO	OR	OFF	2011/11/07 10:47
L6	7	((GREGOR) near2 (LANGER)).INV. not L5	US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:47
L7	1	((VOLKER) near2 (SCHMIDT)).INV. and "385".clas.	US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:48
L8	1	((RIIKKA) near2 (REITZER)).INV.	US_PGPUB; USPAT; USCOR; EPO; JPO; DERWENT	OR	OFF	2011/11/07 10:49
L9	25	(US-20090162004-\$ or US-20080273830-\$ or US-20080187267-\$ or US-20080044127-\$ or US-20060171627-\$ or US-20060045418-\$ or US-20050176161-\$ or US-20050135724-\$ or US-20050111781-\$ or US-20040120631-\$ or US-20040109628-\$ or US-20040109627-\$)	US_PGPUB; USPAT	OR	OFF	2011/11/07 10:49

		\$.did. or (US-7570844-\$ or US-7551811-\$ or US-7457491-\$ or US-7444041-\$ or US-7212698-\$ or US-7197202-\$ or US-7139448-\$ or US-7136551-\$ or US-6978058-\$ or US-6952530-\$ or US-6879423-\$ or US-6839476-\$ or US-5835646-\$).did.			
L10	3	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetected\$5) and ((direct\$2 UV ultraviolet ultra-violet) near2 wrt\$4) and 385/14.colc. not L9	US-PGPUB; USPAT; USOCR	OR	OFF 2011/11/07 10:49
L11	3	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetected\$5) and ((direct\$2 UV ultraviolet ultra-violet) near2 wrt\$4) and 385/14.colc. not L9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF 2011/11/07 10:49
L12	37	(US-20110026878-\$ or US-20110019960-\$ or US-20110013866-\$ or US-2011007998-\$ or US-20100322551-\$ or US-20100303406-\$ or US-20100272388-\$ or US-20100266236-\$ or US-20100232744-\$ or US-20100232741-\$ or US-20100215314-\$ or US-20100215312-\$ or US-20100195954-\$ or US-20100142882-\$ or US-20100142881-\$ or US-20100135611-\$ or US-20100129026-\$ or US-20100119191-\$ or US-20100098374-\$).did. or (US-7876984-\$ or US-7873245-\$ or US-7841781-\$ or US-RE41742-\$ or US-7801399-\$ or US-7801398-\$ or US-7801396-\$ or US-7794561-\$ or US-7783141-\$ or US-7778501-\$ or US-7773836-\$ or US-7760981-\$ or US-7756366-\$ or US-7747116-\$ or US-7729570-\$ or US-7715666-\$ or US-7708475-\$ or US-7706639-\$).did.	US-PGPUB; USPAT	OR	ON 2011/11/07 10:51
L13	18	(US-20100067848-\$ or US-20090310905-\$ or US-20090304325-\$ or US-20090297096-\$ or US-20090297095-\$ or US-20090263076-\$ or US-20090257707-\$).did. or (US-7693382-\$ or US-7684663-\$ or US-7684660-\$ or US-7680367-\$ or US-7668417-\$ or US-7668414-\$ or US-7653272-\$ or US-7639903-\$ or US-7627204-\$ or US-7609916-\$).did.	US-PGPUB; USPAT	OR	OFF 2011/11/07 10:51
L28	342	(US-20090214156-\$ or US-20090185775-\$ or US-20090162004-\$ or US-20090154872-\$ or US-20090129786-\$ or US-20090080830-\$ or US-20090067779-\$ or US-20090016671-\$ or US-20090016670-\$ or US-20090010591-\$ or US-20080310793-\$ or US-20080285910-\$ or US-20080273830-\$ or US-	US-PGPUB; USPAT	OR	OFF 2011/11/07 10:51

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US-20080170819-\$ or US-20080152278-\$  
or US-20080118202-\$ or US-  
20080118199-\$ or US-20080107375-\$ or  
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US-20080037928-\$ or US-20070269160-\$  
or US-20070258676-\$ or US-  
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or US-20070183718-\$ or US-  
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or US-20070053627-\$ or US-  
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US-20060263003-\$ or US-20060228068-\$  
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or US-20060159386-\$ or US-  
20060126995-\$ or US-20060126994-\$  
).did. or (US-20060126993-\$ or US-  
20060120681-\$ or US-20060120668-\$ or  
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or US-20060110098-\$ or US-  
20060110096-\$ or US-20060104587-\$ or  
US-20060104562-\$ or US-20060088241-\$  
or US-20060078248-\$ or US-  
20060072871-\$ or US-20060067619-\$ or  
US-20060056756-\$ or US-20060045418-\$  
or US-20060045417-\$ or US-  
20060045410-\$ or US-20060039658-\$ or  
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or US-20050207696-\$ or US-  
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or US-20050176161-\$ or US-  
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or US-20050129350-\$ or US-  
20050129348-\$ or US-20050117833-\$ or  
US-20050111781-\$ or US-20050100264-\$  
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or US-20040197046-\$).did. or (US-  
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US-20040156591-\$ or US-20040156576-\$  
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20040146237-\$ or US-20040136673-\$ or  
US-20040120631-\$ or US-20040114854-\$  
or US-20040109628-\$ or US-  
20040109627-\$ or US-20040081402-\$ or

US-20040047539-\$ or US-20040037512-\$ or US-20040033004-\$ or US-20040028312-\$ or US-20040008960-\$ or US-20030185485-\$ or US-20030185484-\$ or US-20030185483-\$ or US-20030179979-\$ or US-20030113054-\$ or US-20030086649-\$ or US-20030039443-\$ or US-20030039439-\$ or US-20030039430-\$ did. or (US-20030007745-\$ or US-20030002770-\$ or US-20020196997-\$ or US-20020061154-\$ or US-20020051599-\$ or US-20020039475-\$ or US-20020039464-\$ or US-20020025101-\$ or US-20020001428-\$ or US-20010041025-\$ or US-20010036331-\$). did. or (US-7583867-\$ or US-7577323-\$ or US-7570844-\$ or US-7551815-\$ or US-7551811-\$ or US-7546001-\$ or US-7543993-\$ or US-7536066-\$ or US-7529439-\$ or US-7526152-\$ or US-7519244-\$ or US-7509001-\$ or US-7503706-\$ or US-7499614-\$ or US-7492982-\$ or US-7490993-\$ or US-7488119-\$ or US-7484897-\$ or US-7474815-\$ or US-7471856-\$ or US-7468558-\$ or US-7466881-\$ or US-7466880-\$ or US-7457491-\$ or US-7454098-\$ or US-7444058-\$). did. or (US-7444041-\$ or US-7437030-\$ or US-7430127-\$ or US-7422374-\$ or US-7421858-\$ or US-7418165-\$ or US-7409120-\$ or US-7406229-\$ or US-7404680-\$ or US-7394952-\$ or US-7391937-\$ or US-7389015-\$ or US-7386200-\$ or US-7382960-\$ or US-7373044-\$ or US-7371012-\$ or US-7359594-\$ or US-7352935-\$ or US-7349592-\$ or US-7346242-\$ or US-7343060-\$ or US-7340121-\$ or US-7333683-\$ or US-7330612-\$ or US-7315669-\$ or US-7313294-\$ or US-7308167-\$). did. or (US-7306689-\$ or US-7283695-\$ or US-7277611-\$ or US-7277603-\$ or US-7275876-\$ or US-7263248-\$ or US-7251389-\$ or US-7248757-\$ or US-7245796-\$ or US-7242823-\$ or US-7239767-\$ or US-7236656-\$ or US-7224859-\$ or US-7224858-\$ or US-7212713-\$ or US-7212698-\$ or US-7200295-\$ or US-7200293-\$ or US-7197221-\$ or US-7197202-\$ or US-7174081-\$ or US-7171067-\$ or US-7171066-\$ or US-7162127-\$ or US-7158699-\$ or US-7155078-\$ or US-7150569-\$). did. or (US-7149389-\$ or US-7142748-\$ or US-7139448-\$ or US-7136551-\$ or US-7132736-\$ or US-7123786-\$ or US-7116861-\$ or US-7116852-\$ or US-7116851-\$ or US-7113683-\$ or US-7113667-\$ or US-7103249-\$ or US-7101092-\$ or US-7099525-\$ or US-7092603-\$ or US-7079718-\$ or US-

		7072535-\$ or US-7072027-\$ or US-7062144-\$ or US-7062117-\$ or US-7058245-\$ or US-7050675-\$ or US-7050666-\$ or US-7018110-\$ or US-7013072-\$ or US-7013055-\$ or US-6996305-\$).did. or (US-6996303-\$ or US-6995441-\$ or US-6985663-\$ or US-6980721-\$ or US-6978058-\$ or US-6970610-\$ or US-6968109-\$ or US-6968104-\$ or US-6963118-\$ or US-6952530-\$ or US-6928205-\$ or US-6912332-\$ or US-6912330-\$ or US-6910812-\$ or US-6907198-\$ or US-6895136-\$ or US-6879423-\$ or US-6877912-\$ or US-6876794-\$ or US-6869881-\$ or US-6865307-\$ or US-6845184-\$ or US-6841842-\$ or US-6839476-\$ or US-6829398-\$ or US-6826333-\$ or US-6826320-\$).did. or (US-6823112-\$ or US-6804423-\$ or US-6795624-\$ or US-6792171-\$ or US-6760500-\$ or US-6754407-\$ or US-6741781-\$ or US-6718093-\$ or US-6704470-\$ or US-6690845-\$ or US-6671443-\$ or US-6661943-\$ or US-6661940-\$ or US-RE38310-\$ or US-6647185-\$ or US-6611636-\$ or US-6611635-\$ or US-6572280-\$ or US-6526191-\$ or US-6516104-\$ or US-6512861-\$ or US-6490393-\$ or US-6483967-\$ or US-6483960-\$ or US-6459842-\$ or US-6430326-\$ or US-6396968-\$).did. or (US-6393184-\$ or US-6370292-\$ or US-6343171-\$ or US-6343164-\$ or US-6259832-\$ or US-6243509-\$ or US-6227722-\$ or US-6217231-\$ or US-6115515-\$ or US-6088492-\$ or US-6065881-\$ or US-5978526-\$ or US-5960135-\$ or US-5940550-\$ or US-5917980-\$ or US-5864642-\$ or US-5835646-\$ or US-5822473-\$ or US-5659641-\$ or US-5555341-\$ or US-5521995-\$ or US-5521992-\$ or US-5511138-\$ or US-5500763-\$ or US-5477363-\$ or US-5436937-\$ or US-5432630-\$).did. or (US-5416870-\$ or US-5367593-\$ or US-5170448-\$ or US-5159700-\$ or US-4838633-\$ or US-4789214-\$ or US-4592619-\$ or US-4422088-\$ or US-4070516-\$).did.	US-PGPUB; USPAT; USOCR; FPRRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:51
L29	30	(circuit adj1 board\$1) and (optics\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and 385/14.ccls. not L13 not 12	US-PGPUB; USPAT; USOCR; FPRRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:51
L30	34	(circuit adj1 board\$1) and (optics\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and	US-PGPUB; USPAT; USOCR; FPRRS; EPO; JPO; DERWENT;	OR	ON	2011/11/07 10:51

		385/14.ccls. not L28 not L13 not 12	IBM_TDB			
L31	37	(US-20110026878-\$ or US-20110019960-\$ or US-20110013866-\$ or US-20110007998-\$ or US-2010322551-\$ or US-20100303406-\$ or US-20100272388-\$ or US-20100266236-\$ or US-20100232744-\$ or US-20100232741-\$ or US-20100215314-\$ or US-20100215312-\$ or US-20100195954-\$ or US-20100142882-\$ or US-20100142881-\$ or US-20100135611-\$ or US-20100129026-\$ or US-20100119191-\$ or US-20100098374-\$).did. or (US-7876984-\$ or US-7873245-\$ or US-7841781-\$ or US-RE41742-\$ or US-7801399-\$ or US-7801398-\$ or US-7801396-\$ or US-7794561-\$ or US-7783141-\$ or US-778501-\$ or US-7773836-\$ or US-7760981-\$ or US-7756366-\$ or US-7747116-\$ or US-7729570-\$ or US-7715666-\$ or US-7708475-\$ or US-7706639-\$).did.	US-PGPUB; USPAT	OR	ON	2011/11/07 10:52
L32	30	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and 385/14.ccls. not L28 not L13 not 31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:53
L33	1	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and 385/14.ccls. not L28 not L13 and @ad<"20041228"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:55
L34	3	(printed adj1 circuit adj1 board and optical adj1 waveguide and optoelectronic adj1 component and photon).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/07 10:55
S1	2	"20020028045"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 17:55
S2	20	"4762381"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 17:58
S3	2	"20020164118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 18:04
S4	41	"5195154"	US-PGPUB; USPAT;	OR	OFF	2008/07/14 18:05

			USOCR; EPO; JPO; DERWENT			
S5	2	"20020081056"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 18:08
S6	35	"5541039"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 18:10
S8	8	((GUNTHER) near2 (LE SING)).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 18:13
S10	3	((ARNO) near2 (KLAMMINGER)).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 18:15
S12	4	((GREGOR) near2 (LANGER)).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 18:16
S13	106	((VOLKER) near2 (SCHMIDT)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/14 18:20
S15	1	((VOLKER) near2 (SCHMIDT)).INV. and "385".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 18:20
S17	1	((RIIKKA) near2 (REITZER)).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 18:21
S19	62	waki-hideki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/14 19:22
S20	13	("20020076161"   "20030002138"   "20040001661"   "5357122"   "5465315"   "5911018"   "6215585"   "6477284"   "6477286"   "6574408").PN. OR ("6885788").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/14 19:28
S21	1	"20040001661"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/15 10:25
S22	18	(integrated adj2 photodetector adj2 amplifier) and (circuit adj1 board)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/15 19:05
S23	11	(photonic adj1 crystal adj1 lens)	US-PGPUB; USPAT;	ADJ	OFF	2008/07/15 19:29

			USOCR			
S24	2400	(circuit adj1 board\$1) and (optic\$3 adj1 waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1) and (vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/15 19:57
S25	286	(circuit adj1 board\$1) and (optic\$3 adj1 waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and 385/14.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/15 19:58
S26	11	"6684007"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/11 19:14
S27	15	(waveguide wave-guide (wave adj1 guide) lightguide light-guide (light adj1 guide)) same (polymer\$1 epox\$3 photosensitiv\$4) same ((two-photon (two adj1 photon\$1)) near2 absor\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/11 20:29
S28	4	(waveguide wave-guide (wave adj1 guide) lightguide light-guide (light adj1 guide)) same (polymer\$1 epox\$3 photosensitiv\$4 resin\$1) same ((two-photon (two adj1 photon\$1)) same writ\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/11 21:01
S29	526	(optoelectronic\$3 opto-electronic\$3) same (thin-film (thin adj1 film)) same (make made produc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/11 21:17
S30	58	(optoelectronic\$3 opto-electronic\$3) same (thin-film (thin adj1 film)) same (make made produc\$3) and "385".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/11 21:18
S31	5	(optoelectronic\$3 opto-electronic\$3) same (thin-film (thin adj1 film)) adj1 (technique\$1 method\$1)) same (make made produc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/11 21:20
S32	16	(optoelectronic\$3 opto-electronic\$3) same ((thin-film (thin adj1 film)) adj1 (technique\$1 method\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/11 21:21
S33	2	"20040001661"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/12 14:24
S34	8	(US-20080044127-\$ or US-20080032109-\$ or US-20070111351-\$ or US-20070111344-\$).did. or (US-6117529-\$ or US-5949188-\$ or US-5856434-\$).did. or (WO-9914255-\$).did.	US-PGPUB; USPAT; EPO	OR	OFF	2009/02/12 19:31
S35	0	((GUNTHER) near2 (LEI SING)).INV. not S34	US-PGPUB; USPAT; USOCR;	OR	OFF	2009/02/12 19:31

			EPO; JPO; DERWENT			
S36	3	(US-20080044127-\$).did. or (WO-2006091990-\$ or WO-2005064381-\$).did.	US-PPGPUB; EPO	OR	OFF	2009/02/12 19:31
S37	1	((ARNO) near2 (KLAMMINGER)).INV. not S36	US-PPGPUB; USPAT; USCOR; EPO; JPO; DERWENT	OR	OFF	2009/02/12 19:31
S38	4	(US-20080044127-\$).did. or (WO-2007128022-\$ or WO-2007128021-\$ or WO-2005064381-\$).did.	US-PPGPUB; EPO	OR	OFF	2009/02/12 19:31
S39	0	((GREGOR) near2 (LANGER)).INV. not S38	US-PPGPUB; USPAT; USCOR; EPO; JPO; DERWENT	OR	OFF	2009/02/12 19:31
S40	1	((VOLKER) near2 (SCHMIDT)).INV. and "385".clas.	US-PPGPUB; USPAT; USCOR; EPO; JPO; DERWENT	OR	OFF	2009/02/12 19:32
S41	1	((RIIKKA) near2 (REITZER)).INV.	US-PPGPUB; USPAT; USCOR; EPO; JPO; DERWENT	OR	OFF	2009/02/12 19:32
S42	18	(US-20040054303-\$ or US-20040042736-\$ or US-20020097962-\$ or US-20020039464-\$ or US-20020028045-\$).did. or (US-7177550-\$ or US-7155273-\$ or US-7072591-\$ or US-7058306-\$ or US-6845184-\$ or US-6785447-\$ or US-6769816-\$ or US-6706546-\$ or US-6690845-\$ or US-6684007-\$ or US-6611635-\$ or US-6343171-\$ or US-5063426-\$).did.	US-PPGPUB; USPAT	OR	OFF	2009/02/12 19:32
S43	2	(integrated adj2 photodetector adj2 amplifier) and (circuit adj1 board) not S42	US-PPGPUB; USPAT; USCOR	ADJ	OFF	2009/02/12 19:32
S44	319	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetected\$5) and 385/14.ccls.	US-PPGPUB; USPAT; USCOR	OR	OFF	2009/02/12 19:33
S45	58	(US-20080044127-\$ or US-20080025681-\$ or US-20070230876-\$ or US-20070147725-\$ or US-20070086696-\$ or US-20060147150-\$ or US-20060140534-\$ or US-20060133724-\$ or US-20060045421-\$ or US-20060013549-\$ or US-20040247236-\$ or US-20040190851-\$ or US-20040057673-\$ or US-2004008961-\$ or US-20040008928-\$ or US-20030128909-\$ or US-20030123773-\$ or US-20030113067-\$ or US-20020097962-\$ or US-20020081056-\$ or US-20020041734-\$ or US-20020039464-\$	US-PPGPUB; USPAT	OR	OFF	2009/02/12 19:35

		or US-20020028045-\$).did. or (US-7413353-\$ or US-7324716-\$ or US-7302126-\$ or US-7269027-\$ or US-7251398-\$ or US-7194173-\$ or US-7088884-\$ or US-7024065-\$ or US-6879765-\$ or US-6845184-\$ or US-6825966-\$ or US-6801679-\$ or US-6785447-\$ or US-6731840-\$ or US-6704480-\$ or US-6694069-\$ or US-6690845-\$ or US-6684007-\$ or US-6611635-\$ or US-6549708-\$ or US-6343171-\$ or US-6278809-\$ or US-6219470-\$ or US-6205264-\$ or US-6088492-\$ or US-5972516-\$).did. or (US-5763055-\$ or US-5737104-\$ or US-5703989-\$ or US-5643688-\$ or US-5604835-\$ or US-5598300-\$ or US-5539569-\$ or US-5261022-\$ or US-3743962-\$).did.				
S46	0	(optoelectronic\$3 opto-electronic\$3) same (thin-film (thin adj1 film)) same (make made produc\$3) and 385/14.cols. not S45	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/12 19:35
S48	0	(printed circuit board element optical waveguide optoelectronic component optical layer photoreactive material capable of two photon absorption processing the optoelectronic component is embedded in the optical layer the optical waveguide is structured by irradiation and a two photo absorption process).clm.	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2009/02/12 19:37
S49	8	(US-20080044127-\$ or US-20080032109-\$ or US-20070111351-\$ or US-20070111344-\$).did. or (US-6117529-\$ or US-5949188-\$ or US-5856434-\$).did. or (WO-9914255-\$).did.	US-PPGPUB; USPAT; EPO	OR	OFF	2009/09/14 11:43
S50	1	((GUNTHER) near2 (LEISNG)).INV. not S49	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/09/14 11:43
S51	3	(US-20080044127-\$).did. or (WO-2006091990-\$ or WO-2005064381-\$).did.	US-PPGPUB; EPO	OR	OFF	2009/09/14 11:44
S52	1	((ARNO) near2 (KLAMMINGER)).INV. not S51	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/09/14 11:44
S53	4	(US-20080044127-\$).did. or (WO-2007128022-\$ or WO-2007128021-\$ or WO-2005064381-\$).did.	US-PPGPUB; EPO	OR	OFF	2009/09/14 11:45
S54	0	((GREGOR) near2 (LANGER)).INV. not S53	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/09/14 11:45
S55	1	((VOLKER) near2 (SCHMIDT)).INV. and "385".clas.	US-PPGPUB; USPAT; USOCR; EPO; JPO;	OR	OFF	2009/09/14 11:45

			DERWENT		
S56	1	((RIIKKA) near2 (REITZER)).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF 2009/09/14 11:46
S57	58	(US-20080044127-\$ or US-20080025681-\$ or US-20070230876-\$ or US-20070147725-\$ or US-20070086696-\$ or US-20060147150-\$ or US-20060140534-\$ or US-20060133724-\$ or US-20060045421-\$ or US-20060013549-\$ or US-20040247236-\$ or US-20040190851-\$ or US-20040057673-\$ or US-20040008961-\$ or US-20040008928-\$ or US-20030128909-\$ or US-20030123773-\$ or US-20030113067-\$ or US-20020097962-\$ or US-20020081056-\$ or US-20020041734-\$ or US-20020039464-\$ or US-20020028045-\$).did. or (US-7413353-\$ or US-7324716-\$ or US-7302126-\$ or US-7269027-\$ or US-7251398-\$ or US-7194173-\$ or US-7088884-\$ or US-7024065-\$ or US-6879765-\$ or US-6845184-\$ or US-6825966-\$ or US-6801679-\$ or US-6785447-\$ or US-6731840-\$ or US-6704480-\$ or US-6694069-\$ or US-6690845-\$ or US-6684007-\$ or US-6611635-\$ or US-6549708-\$ or US-6343171-\$ or US-6278809-\$ or US-6219470-\$ or US-6205264-\$ or US-6088492-\$ or US-5972516-\$).did. or (US-5763055-\$ or US-5737104-\$ or US-5703989-\$ or US-5643688-\$ or US-5604835-\$ or US-5598300-\$ or US-5539569-\$ or US-5261022-\$ or US-3743962-\$).did.	US-PGPUB; USPAT	OR	OFF 2009/09/14 11:48
S58	2	(optoelectronic\$3 opto-electronics\$3) same (thin-film (thin adj1 film)) same (make made produc\$3) and "385".clas. not S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF 2009/09/14 11:48
S59	342	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and 385/14.cls.	US-PGPUB; USPAT; USOCR	OR	OFF 2009/09/14 11:49
S60	25	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and (direct\$2 UV ultraviolet ultra-violet) near2 writ\$4) and 385/14.cls.	US-PGPUB; USPAT; USOCR	OR	OFF 2009/09/14 11:56
S61	0	(printed adj1 circuit adj1 board and optical adj1 waveguide and photoreactive adj1 material and optoelectronic adj1 component and photon).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	OFF 2009/09/14 12:04

			DERWENT			
S62	1	(printed adj1 circuit adj1 board and optical adj1 waveguide and optoelectronic adj1 component and photon).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/09/14 12:04
S63	2	"2003152113"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/10 15:30
S64	3	"20030152113"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/10 15:31
S65	35	"6690845"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/10 15:31
S66	2	"20020039464"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/10 15:38
S67	54	"4666236"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/10 15:40
S68	8	(US-20080044127-\$ or US-20080032109-\$ or US-20070111351-\$ or US-20070111344-\$).did. or (US-6117529-\$ or US-5949188-\$ or US-5856434-\$).did. or (WO-9914255-\$).did.	US-PGPUB; USPAT; EPO	OR	OFF	2010/04/10 15:54
S69	1	((GUNTHER) near2 (LEISING)).INV. not S68	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/10 15:54
S70	3	(US-20080044127-\$).did. or (WO-2006091990-\$ or WO-2005064381-\$).did.	US-PGPUB; EPO	OR	OFF	2010/04/10 15:54
S71	1	((ARNO) near2 (KLAMMINGER)).INV. not S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/10 15:54
S72	4	(US-20080044127-\$).did. or (WO-2007128022-\$ or WO-2007128021-\$ or	US-PGPUB; EPO	OR	OFF	2010/04/10 15:55

		WO-2005064381-\$).did.				
S73	1	((GREGOR) near2 (LANGER)).INV. not S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/10 15:55
S74	1	((VOLKER) near2 (SCHMIDT)).INV. and "385".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/10 15:55
S75	1	((RIIKKA) near2 (REITZER)).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/10 15:55
S76	342	(US-20090214156-\$ or US-20090185775-\$ or US-20090162004-\$ or US-20090154872-\$ or US-20090129786-\$ or US-20090080830-\$ or US-20090067779-\$ or US-20090016671-\$ or US-20090016670-\$ or US-20090010591-\$ or US-20080310793-\$ or US-20080285910-\$ or US-20080273830-\$ or US-20080247704-\$ or US-20080247703-\$ or US-20080240648-\$ or US-20080226222-\$ or US-20080205817-\$ or US-20080199132-\$ or US-20080187267-\$ or US-20080170819-\$ or US-20080152278-\$ or US-20080118202-\$ or US-20080118199-\$ or US-20080107375-\$ or US-20080089640-\$).did. or (US-20080044127-\$ or US-20080037929-\$ or US-20080037928-\$ or US-20070269160-\$ or US-20070258676-\$ or US-20070237449-\$ or US-20070217750-\$ or US-20070189661-\$ or US-20070183719-\$ or US-20070183718-\$ or US-20070104416-\$ or US-20070104412-\$ or US-20070081760-\$ or US-20070077008-\$ or US-20070053627-\$ or US-20070019900-\$ or US-20060291771-\$ or US-20060263003-\$ or US-20060228068-\$ or US-20060210214-\$ or US-20060198570-\$ or US-20060198569-\$ or US-20060171627-\$ or US-20060159387-\$ or US-20060159386-\$ or US-20060126995-\$ or US-20060126994-\$).did. or (US-20060126993-\$ or US-20060120681-\$ or US-20060120668-\$ or US-20060120660-\$ or US-20060115206-\$ or US-20060110098-\$ or US-20060110096-\$ or US-20060104562-\$ or US-20060088241-\$ or US-20060078248-\$ or US-20060072871-\$ or US-20060067619-\$ or US-20060056756-\$ or US-20060045418-\$ or US-20060045417-\$ or US-20060045410-\$ or US-20060039658-\$ or US-20060029326-\$ or US-20060018588-\$ or US-20060002651-\$ or US-20050276547-\$ or US-20050265671-\$ or US-20050254745-\$ or US-20050238278-\$)	US-PGPUB; USPAT	OR	OFF	2010/04/10 15:56

or US-20050207696-\$ or US-20050207693-\$).did. or (US-20050201707-\$ or US-20050201669-\$ or US-20050196095-\$ or US-20050196094-\$ or US-20050191004-\$ or US-20050185880-\$ or US-20050176161-\$ or US-20050135731-\$ or US-20050135730-\$ or US-20050135729-\$ or US-20050135724-\$ or US-20050129350-\$ or US-20050129348-\$ or US-20050117833-\$ or US-20050111781-\$ or US-20050100264-\$ or US-20050089276-\$ or US-20050083635-\$ or US-20050036728-\$ or US-20040264871-\$ or US-20040258348-\$ or US-20040240774-\$ or US-20040234210-\$ or US-20040218848-\$ or US-20040213503-\$ or US-20040208416-\$ or US-20040197046-\$).did. or (US-20040184732-\$ or US-20040184702-\$ or US-20040156591-\$ or US-20040156576-\$ or US-20040151462-\$ or US-20040146237-\$ or US-20040136673-\$ or US-20040120631-\$ or US-20040114854-\$ or US-20040109628-\$ or US-20040109627-\$ or US-20040081402-\$ or US-20040047539-\$ or US-20040037512-\$ or US-20040033004-\$ or US-20040028312-\$ or US-20040008960-\$ or US-20030185485-\$ or US-20030185484-\$ or US-20030185483-\$ or US-20030179979-\$ or US-20030179978-\$ or US-20030113054-\$ or US-20030086649-\$ or US-20030039443-\$ or US-20030039439-\$ or US-20030039430-\$).did. or (US-20030007745-\$ or US-20030002770-\$ or US-20020196997-\$ or US-200200611154-\$ or US-20020051599-\$ or US-20020039475-\$ or US-20020039464-\$ or US-20020025101-\$ or US-20020001428-\$ or US-20010041025-\$ or US-20010036331-\$).did. or (US-7583867-\$ or US-7577323-\$ or US-7570844-\$ or US-7551815-\$ or US-7551811-\$ or US-7546001-\$ or US-7543993-\$ or US-7536066-\$ or US-7529439-\$ or US-7526152-\$ or US-7519244-\$ or US-7509001-\$ or US-7503706-\$ or US-7499614-\$ or US-7492982-\$ or US-7490993-\$ or US-7488119-\$ or US-7484897-\$ or US-7474815-\$ or US-7471856-\$ or US-7468558-\$ or US-7466881-\$ or US-7466880-\$ or US-7457491-\$ or US-7454098-\$ or US-7444058-\$).did. or (US-7444041-\$ or US-7437030-\$ or US-7430127-\$ or US-7422374-\$ or US-7421858-\$ or US-7418165-\$ or US-7409120-\$ or US-7406229-\$ or US-7404680-\$ or US-7394952-\$ or US-7391937-\$ or US-7389015-\$ or US-7386200-\$ or US-7382960-\$ or US-7373044-\$ or US-7371012-\$ or US-7359594-\$ or US-7352935-\$ or US-7349592-\$ or US-7346242-\$ or US-

7343060-\$ or US-7340121-\$ or US-7333683-\$ or US-7330612-\$ or US-7315669-\$ or US-7313294-\$ or US-7308167-\$).did. or (US-7306689-\$ or US-7283695-\$ or US-7277611-\$ or US-7277603-\$ or US-7275876-\$ or US-7263248-\$ or US-7251389-\$ or US-7248757-\$ or US-7245796-\$ or US-7242823-\$ or US-7239767-\$ or US-7236656-\$ or US-7224859-\$ or US-7224858-\$ or US-7212713-\$ or US-7212698-\$ or US-7200295-\$ or US-7200293-\$ or US-7197221-\$ or US-7197202-\$ or US-7174081-\$ or US-7171067-\$ or US-7171066-\$ or US-7162127-\$ or US-7158699-\$ or US-7155078-\$ or US-7150569-\$).did. or (US-7149389-\$ or US-7142748-\$ or US-7139448-\$ or US-7136551-\$ or US-7132736-\$ or US-7123786-\$ or US-7116861-\$ or US-7116852-\$ or US-7116851-\$ or US-7113683-\$ or US-7113667-\$ or US-7103249-\$ or US-7101092-\$ or US-7099525-\$ or US-7092603-\$ or US-7079718-\$ or US-7072535-\$ or US-7070207-\$ or US-7062144-\$ or US-7062117-\$ or US-7058245-\$ or US-7050675-\$ or US-7050666-\$ or US-7018110-\$ or US-7013072-\$ or US-7013055-\$ or US-6996305-\$).did. or (US-6996303-\$ or US-6995441-\$ or US-6985663-\$ or US-6980721-\$ or US-6978058-\$ or US-6970610-\$ or US-6968109-\$ or US-6968104-\$ or US-6963118-\$ or US-6952530-\$ or US-6928205-\$ or US-6912332-\$ or US-6912330-\$ or US-6910812-\$ or US-6907198-\$ or US-6895136-\$ or US-6879423-\$ or US-6877912-\$ or US-6876794-\$ or US-6869881-\$ or US-6865307-\$ or US-6845184-\$ or US-6841842-\$ or US-6839476-\$ or US-6829398-\$ or US-6826333-\$ or US-6826320-\$).did. or (US-6823112-\$ or US-6804423-\$ or US-6795624-\$ or US-6792171-\$ or US-6760500-\$ or US-6754407-\$ or US-6741781-\$ or US-6718093-\$ or US-6704470-\$ or US-6690845-\$ or US-6671443-\$ or US-6661943-\$ or US-6661940-\$ or US-RE38310-\$ or US-6647185-\$ or US-6611636-\$ or US-6611635-\$ or US-6572280-\$ or US-6526191-\$ or US-6516104-\$ or US-6512861-\$ or US-6490393-\$ or US-6483967-\$ or US-6483960-\$ or US-6459842-\$ or US-6430326-\$ or US-6396968-\$).did. or (US-6393184-\$ or US-6370292-\$ or US-6343171-\$ or US-6343164-\$ or US-6259832-\$ or US-6243509-\$ or US-6227722-\$ or US-6217231-\$ or US-6115515-\$ or US-6088492-\$ or US-6065881-\$ or US-5978526-\$ or US-5960135-\$ or US-

		5940550-\$ or US-5917980-\$ or US-5864642-\$ or US-5835646-\$ or US-5822473-\$ or US-5659641-\$ or US-5555341-\$ or US-5521995-\$ or US-5521992-\$ or US-5511138-\$ or US-5500763-\$ or US-5477363-\$ or US-5436997-\$ or US-5432630-\$).did. or (US-5416870-\$ or US-5367593-\$ or US-5170448-\$ or US-5159700-\$ or US-4838633-\$ or US-4789214-\$ or US-4592619-\$ or US-4422088-\$ or US-4070516-\$).did.			
S77	18	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$5) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and 385/14.ccls. not S76	US-PGPUB; USPAT; USOCR	OR	OFF 2010/04/10 15:56
S78	2	(printed adj1 circuit adj1 board and optical adj1 waveguide and optoelectronic adj1 component and photon).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF 2010/04/10 15:57
S79	8	(US-20080044127-\$ or US-20080032109-\$ or US-20070111351-\$ or US-20070111344-\$).did. or (US-6117529-\$ or US-5949188-\$ or US-5856434-\$).did. or (WO-9914255-\$).did.	US-PGPUB; USPAT; EPO	OR	OFF 2011/02/04 15:58
S80	1	((GUNTHER) near2 (LEISING)).INV. not S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF 2011/02/04 15:58
S81	3	(US-20080044127-\$).did. or (WO-2006091990-\$ or WO-2005064381-\$).did.	US-PGPUB; EPO	OR	OFF 2011/02/04 15:58
S82	1	((APNO) near2 (KLAMMINGER)).INV. not S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF 2011/02/04 15:58
S83	4	(US-20080044127-\$).did. or (WO-2007128022-\$ or WO-2007128021-\$ or WO-2005064381-\$).did.	US-PGPUB; EPO	OR	OFF 2011/02/04 15:59
S84	2	((GREGOR) near2 (LANGER)).INV. not S83	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF 2011/02/04 15:59
S85	1	((VOLKER) near2 (SCHMIDT)).INV. and "385".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF 2011/02/04 15:59
S86	1	((RIIKKA) near2 (REITZER)).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF 2011/02/04 16:00
S87	25	(US-20090162004-\$ or US-20080273830-\$	US-PGPUB; OR	OFF	2011/02/04

		or US-20080187267-\$ or US-20080044127-\$ or US-20060171627-\$ or US-20060045418-\$ or US-20050176161-\$ or US-20050135724-\$ or US-20050111781-\$ or US-20040120631-\$ or US-20040109628-\$ or US-20040109627-\$ .did. or (US-7570844-\$ or US-7551811-\$ or US-7457491-\$ or US-7444041-\$ or US-7212698-\$ or US-7197202-\$ or US-7139448-\$ or US-7136551-\$ or US-6978058-\$ or US-6952530-\$ or US-6879423-\$ or US-6839476-\$ or US-5835646-\$).did.	USPAT			16:00
S88	0	circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetected\$5) and ((direct\$2 UV ultraviolet ultra-violet) near2 writ\$4) and 385/14.ccls. not \$87	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/04 16:00
S89	18	(US-20100067848-\$ or US-20090310905-\$ or US-20090304325-\$ or US-20090297096-\$ or US-20090297095-\$ or US-20090263076-\$ or US-20090257707-\$).did. or (US-7693382-\$ or US-7684663-\$ or US-7684660-\$ or US-7680367-\$ or US-7668417-\$ or US-7668414-\$ or US-7653272-\$ or US-7639903-\$ or US-7627204-\$ or US-7609916-\$).did.	US-PGPUB; USPAT	OR	OFF	2011/02/04 16:01
S90	342	(US-20090214156-\$ or US-20090185775-\$ or US-20090162004-\$ or US-20090154872-\$ or US-20090129786-\$ or US-20090080830-\$ or US-20090067779-\$ or US-20090016671-\$ or US-20090016670-\$ or US-20090010591-\$ or US-20080310793-\$ or US-20080285910-\$ or US-20080273830-\$ or US-20080247704-\$ or US-20080240648-\$ or US-20080226222-\$ or US-20080205817-\$ or US-20080199132-\$ or US-20080187267-\$ or US-20080170819-\$ or US-20080152278-\$ or US-20080118202-\$ or US-20080118199-\$ or US-20080107375-\$ or US-20080089640-\$).did. or (US-20080044127-\$ or US-20080037929-\$ or US-20080037928-\$ or US-20070269160-\$ or US-20070258676-\$ or US-20070237449-\$ or US-20070217750-\$ or US-20070189661-\$ or US-20070183719-\$ or US-20070183718-\$ or US-20070104416-\$ or US-20070104412-\$ or US-20070081760-\$ or US-20070077008-\$ or US-20070053627-\$ or US-20070019900-\$ or US-20060291771-\$ or US-20060263003-\$ or US-20060228068-\$ or US-20060210214-\$ or US-20060198570-\$ or US-20060198569-\$ or US-20060171627-\$ or US-20060159387-\$ or US-20060159386-\$ or US-20060126995-\$ or US-20060126994-	US-PGPUB; USPAT	OR	OFF	2011/02/04 16:01

,\$).did. or (US-20060126993-\$ or US-20060120681-\$ or US-20060120668-\$ or US-20060120660-\$ or US-20060115206-\$ or US-20060110098-\$ or US-20060110096-\$ or US-20060104587-\$ or US-20060104562-\$ or US-20060088241-\$ or US-20060078248-\$ or US-20060072871-\$ or US-20060067619-\$ or US-20060056756-\$ or US-20060045418-\$ or US-20060045417-\$ or US-20060045410-\$ or US-20060039658-\$ or US-20060029326-\$ or US-20060018588-\$ or US-20060002651-\$ or US-20050276547-\$ or US-20050265671-\$ or US-20050254745-\$ or US-20050238278-\$ or US-20050207696-\$ or US-20050207693-\$).did. or (US-20050201707-\$ or US-20050201669-\$ or US-20050196095-\$ or US-20050196094-\$ or US-20050191004-\$ or US-20050185880-\$ or US-20050178161-\$ or US-20050135731-\$ or US-20050135730-\$ or US-20050135729-\$ or US-20050135724-\$ or US-20050129350-\$ or US-20050129348-\$ or US-20050117833-\$ or US-20050111781-\$ or US-20050100264-\$ or US-20050089276-\$ or US-20050083635-\$ or US-20050036728-\$ or US-20040264871-\$ or US-20040258348-\$ or US-20040240774-\$ or US-20040234210-\$ or US-20040218848-\$ or US-20040213503-\$ or US-20040208416-\$ or US-20040197046-\$).did. or (US-20040184732-\$ or US-20040184702-\$ or US-20040156591-\$ or US-20040156576-\$ or US-20040151462-\$ or US-20040146237-\$ or US-20040136673-\$ or US-20040120631-\$ or US-200401114854-\$ or US-20040109628-\$ or US-20040109627-\$ or US-20040081402-\$ or US-20040047539-\$ or US-20040037512-\$ or US-20040033004-\$ or US-20040028312-\$ or US-20040008960-\$ or US-20030185485-\$ or US-20030185484-\$ or US-20030185483-\$ or US-20030179979-\$ or US-20030179978-\$ or US-20030113054-\$ or US-20030086649-\$ or US-20030039443-\$ or US-20030039439-\$ or US-20030039430-\$).did. or (US-20030007745-\$ or US-20030002770-\$ or US-20020196997-\$ or US-20020061154-\$ or US-20020051599-\$ or US-20020039475-\$ or US-20020039464-\$ or US-20020025101-\$ or US-20020001428-\$ or US-20010041025-\$ or US-20010036331-\$).did. or (US-7583867-\$ or US-7577323-\$ or US-7570844-\$ or US-7551815-\$ or US-7551811-\$ or US-7546001-\$ or US-7543993-\$ or US-7536066-\$ or US-7529439-\$ or US-7526152-\$ or US-7519244-\$ or US-7509001-\$ or US-7503706-\$ or US-7499614-\$ or US-7492982-\$ or US-7490993-\$ or US-

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S91	37	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and 385/14.ccls. not S90 not S89	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/04 16:01
S92	0	(circuit adj1 board\$1) and (optic\$3 adj1 (waveguide\$1 wave-guide\$1 lightguide\$1 light-guide\$1)) and (source\$1 vsel\$1 OE activ\$3 laser\$3 emit\$4 ld\$1 detect\$4 pd\$1) and (photo adj1 (detector\$2 diode\$1) photodiode\$1 photodetect\$5) and 385/14.ccls. not S90 not S89 and @ad< "20041228"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/04 16:02
S93	3	(printed adj1 circuit adj1 board and optical adj1 waveguide and optoelectronic adj1 component and photon).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/02/04 16:02
S94	39	"6845184"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/04 16:22
S95	172	"6343171"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/11/07 00:31
S96	2	"20020028045"	US-PGPUB; USPAT; USOCR;	OR	OFF	2011/11/07 00:33



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